

Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Cancel)

2. (Original) A high-intensity discharge lamp, comprising:

a lighting-source bulb provided with a light-transmissive ceramic discharge enclosure containing an enclosure defining a discharge space and a pair of small-diameter cylinders communicating with the enclosure at both ends thereof and having an inside diameter smaller than the enclosure, a first and a second slender electrodes extending through the small-diameter cylinders of the light-transmissive ceramic discharge enclosure in leaving narrow gaps between the inside surfaces of the small-diameter cylinders and the electrodes and discharge agent filled in the light-transmissive ceramic discharge enclosure;

a first metallic coil which is wound on the outside surface of the one end of the small-diameter cylinder wherein the first electrode is inserted through and which is coupled to have the same potential as the second electrode;

a second metallic coil which is wound on the other small-diameter cylinder through which the second electrode extends, and which is coupled to the first electrode to have the same potential as the electrode;

a jacket-bulb which accommodates the lighting-source bulb and the first and the second metallic coils hermetically; and

a pair of outer lead terminals which are coupled to the first and second electrodes and hermetically led outside the jacket-bulb.

3. (Original) A high-intensity discharge lamp, comprising:

a lighting-source bulb provided with a light-transmissive ceramic discharge enclosure containing an enclosure defining a discharge space and a pair of small-diameter cylinders communicating with the enclosure at both ends thereof and having an inside diameter smaller than the enclosure, a pair of slender electrodes extending through the small-diameter cylinders of the light-transmissive ceramic discharge enclosure in leaving narrow gaps between the inside surfaces of the small-diameter cylinders and the electrodes and discharge agent filled in the light-transmissive ceramic discharge enclosure;

a first metallic coil which is wound on the outside surface of the one end of the small-diameter cylinder wherein one of the electrodes is inserted through, and which is coupled to the other electrode to have the same potential as the electrodes;

a second metallic coil which is wound on the other small-diameter cylinder wherein the other electrode is inserted through;

a jacket-bulb which accommodates the lighting-source bulb and the first and the second metallic coils hermetically; and

a pair of outer lead terminals which are coupled to a pair of electrodes and hermetically led outside the jacket-bulb.

4. (Currently Amended) A high-intensity discharge lamp ~~as claimed in any one of claims 1 to 2~~ according to claim 2 or 3, wherein the metallic coil is wound on the small-diameter cylinder more than four turns.

5. (Currently Amended) A high-intensity discharge lamp ~~as claimed in any one of claims 1 to~~ according to claim 4, wherein, one end of the metallic coil is placed near the boundary of the enclosure of the light-transmissive ceramic discharge enclosure.

6. (Currently Amended) A high-intensity discharge lamp ~~as claimed in any one of claims 1 to~~ according to claim 5, wherein, the winding pitch of the metallic coil resides in the range of 100% to 500%.

7. (Currently Amended) A high-intensity discharge lamp ~~as claimed in any one of claims 1 to~~ according to claim 6, wherein the value of $L1/L2$ will be 0.3 to 1.0, when the length of the metallic coil is denoted as $L1$ and the length of the small-diameter cylinders of the light-transmissive ceramic discharge enclosure is denoted as $L2$.

8. (Currently Amended) A high-intensity discharge lamp ~~as claimed in any one of claims 1 to~~ according to claim 7, wherein one end of the metallic coil which resides in a side opposite to the enclosure of the light-transmissive ceramic discharge enclosure is coupled to the opposite side electrode to have the same potential as that of the electrode.

9. (Currently Amended) A high-intensity discharge lamp ~~as claimed in any one of claims 1 to~~ according to claim 8, wherein the electrostatic capacitance across the pair of outer lead terminals are among 1.2 to 4 pF.

10. (Currently Amended) A high-intensity discharge lamp ~~as claimed in any one of claims 1 to~~ according to claim 9, wherein the electrode is ~~providing the~~ provided with a third

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metallic coil, which is wound on at least ~~one~~ a part of ~~its axis facing~~ the electrode's axis and
faces to the metallic coil.

11. (Cancel)

12. (Currently Amended) A lighting appliance, comprising:

a lighting appliance principal body, and

a high-intensity discharge lamp lighting system as claimed in claim ~~11~~ 10 which is
mounted on the lighting appliance principal body.